K. Clemen

P#10

1644

```
          RAW SEQUENCE LISTING                    DATE: 07/07/2000
          PATENT APPLICATION:   US/09/245,277     TIME: 08:31:27

          Input Set : A:\JHU1530-3.TXT
          Output Set: N:\CRF3\07072000\I245277.raw
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P.5

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     4 <110> APPLICANT: Worley, Paul F.
     5        Lanahan, Anthony
     7 <120> TITLE OF INVENTION: IMMEDIATE EARLY GENES AND METHODS OF USE
     8        THEREFOR
    10 <130> FILE REFERENCE: JHU1530-3
    12 <140> CURRENT APPLICATION NUMBER: 09/245,277
    13 <141> CURRENT FILING DATE: 1999-02-05
    15 <150> PRIOR APPLICATION NUMBER: 60/074,518
    16 <151> PRIOR FILING DATE: 1998-02-12
    18 <150> PRIOR APPLICATION NUMBER: 60/074,135
    19 <151> PRIOR FILING DATE: 1998-02-06
    21 <160> NUMBER OF SEQ ID NOS: 63
    23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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    27 <212> TYPE: DNA
    28 <213> ORGANISM: Eukaryote
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    32 <222> LOCATION: (1)...(527)
    33 <223> OTHER INFORMATION: n = A,T,C or G
    35 <400> SEQUENCE: 1
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    37 accactttac gctttttagt tgtgctgggt tcatggctgg acatacacca accagccttg   120
    38 accccacagg aatgccaagt tggctggaat gtaacccaac ctagtttctg cgcttcgctc   180
    39 ctctcccagt gcaaggtgct aaacacccac tcacaagcct gctgtcaagc tgcgaccttg   240
    40 ggggctggtt agaaagggct gcctccttcc agcaatagaa gttcatgaat ttgaggctgg   300
    41 agataggtca agaccactgt gataactata aagactgtag cagccacaaa ggagacccc   360
    42 aaataactgg aggcatgggc actgacgtac cagatgaggt tatgtttgga gctgaaggct   420
    43 tgctctgtgc ttcttggtag catcttttgt cctcttggga catggttgac cccatactgt   480
    44 ccactgagct tgggagatga cagttgaata aaaaaaaaaa aaaaaaa              527
    46 <210> SEQ ID NO: 2
    47 <211> LENGTH: 1485
    48 <212> TYPE: DNA
    49 <213> ORGANISM: Eukaryote
    51 <220> FEATURE:
    52 <221> NAME/KEY: misc_feature
    53 <222> LOCATION: (1)...(1485)
    54 <223> OTHER INFORMATION: n = A,T,C or G
    56 <400> SEQUENCE: 2
    57 cggcttaatt aaccctcact aaagggaaca aaagctggag ctccaccgcg gtggcggccg    60
    58 ctctagaact agtggatccc ccgggctgca ggattctgcg gccgattaag aagcctgctg   120
    59 atgtccttag gcgaggacat taactccagt ctctgacaga ctttggacat ccagaataag   180
    60 ttcttttttgt atatcagagc acagagccca gctttagcct ctgatggacc tcaggaacca   240
    61 agaaggaggg acttccttaa cattctagag atgggactct aactctagct cttgtgttaa   300
    62 gccctgaagt ccagaaagaa gtagttcttt gacattctag tgccaagatc cagcctctaa   360
W--> 63 gagaactctg atgtctaaag aaagtctttc atagtctagn ccagtcacca gtgaagctaa   420
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RAW SEQUENCE LISTING              DATE: 07/07/2000
PATENT APPLICATION:  US/09/245,277    TIME: 08:31:27

        Input Set : A:\JHU1530-3.TXT
        Output Set: N:\CRF3\07072000\I245277.raw

   64 acacctgaaa actattagat tctctggagc caggaatcca tctcaagtct ctcataaagc      480
   65 ccaaatgtcc caggagaagt tgacaatata aagccgtatc tcgatggact tttgaagaag      540
   66 ctcagaaaag gagaccacct tggtagtctt gatctaggàc tctggcttgt ttgtctccag      600
   67 ggacgtttac atgtataaaa agagggacct ttctgatgat tcagaactgg gactccacct      660
   68 ccatcctttg atgaaagctc aaatgtccag aaagaggggc ctctctgata ttctagagta      720
   69 ggaccctccc tccagccttt gatggtgtcc agatgtccag aaagaggggc ctctctgatg      780
   70 ttccagacct agggccctcc ctccagcctt tgatggtgtc cagatgtcca gaaagaggga      840
   71 cttctctgat gttccagacc taagactcta gctccagcct ttgatgaagc tcagatgttc      900
   72 agaaagggg gcctccatga tgttctagaa ccaggactcc acctctagcc tttgatggtg      960
   73 tccagatgtc cagaaagagg gtcttccatg atttctagga ccaagacttt acctccagcc     1020
   74 ttctatgcct ccatgtctcc agtaaagctt aggtgtccag aaaagagcat tctcaatgaa     1080
   75 tttatagaac caggactctt tctccagcct ttgatgacgt tcagatgttc ataaagaaga     1140
   76 acttccacaa tgtactaaag ctatgactcc atctccatcc tttgatgaaa agggacttcc     1200
   77 ttccactctg ttccagaagc ctagctccac ctctaatctt tgttgatgtc caattatcca     1260
   78 gaaagagggg gcctttagaa caaagactgt acttttattc attgataaag cacagattcc     1320
   79 agaagcacag aaatctagaa agagggtcct ccctaacacg ctcgagctag aaccccggtg     1380
   80 caagggtctg aaacttagac accagaagac cgctttgtcc tacaacaagt ctgcattttc     1440
   81 taaatctcca ggtggctgat cagaagggtc caggaaggta tgggg                     1485
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   84 <211> LENGTH: 1854
   85 <212> TYPE: DNA
   86 <213> ORGANISM: Eukaryote
   88 <220> FEATURE:
   89 <221> NAME/KEY: misc_feature
   90 <222> LOCATION: (1)...(1854)
   91 <223> OTHER INFORMATION: r = G or A
   92          y = C or T
   93          m = A or C
   94          k = G or T
W--> 95          s = G or C
W--> 96          w = A or T
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  101 agcttcagcg aagacattta gcttttttaa aatgtataat tcctgtggct acatatgcaa      120
  102 gtagggtccc attatgtttt ttttcattag tggaaactaa tcctttgtg ctgtgtttaa      180
  103 tcagtattag ctttatagaa ttataaatgt atattctact tcttgatcaa agaacgtagt      240
  104 cgggtattgg ttttagaagt tcaaagtgac actgtatagg gctttcacgg ttaatgggat      300
  105 tgttagcaaa tcttaaggac atacagccaa tgattatctg aggttactgg ctaactgttt      360
  106 ttcactgagt tactctgcct ttttgacatt tttattcttt gtttgtcaga atccagagct      420
  107 tcaggagccc aaattttttt atwccgtata tatatatata tataaatatc cataagcctg      480
  108 gtggatttgt atgcaatgca ctgcatctat gtattctgat agcatctcat tgattttgt      540
  109 ttgaaataga aagaaagata gtatcccaaa tgagttatct ttaacagaaa gctgagttta      600
  110 acttttatta cctatataat aattgatatt gccaattacc attctgaatt tcatatagta      660
  111 taagttagac attgcttaat cccctttta atgtatttac atagacatga acactcaaat      720
  112 tgctggattt tttaaatata tctgacataa tttttttcat ctgttacatt caagttagct      780
  113 tgtttagccc agatttcaga atagtaaagg aggaaaggaa ccgcattcca gggaaacctc      840
  114 tgaggccaag tcagagtcca gaactgtaaa cacacaggcc tgcaagccaa cattagtcgt      900
  115 gaaatcccta acacgtcact ggattctctc tgtcagcgca agtgtcagct gccaaagaat      960
  116 agacttacat gaagaagtgc ccacatgctg gcaggggctg gccggctccg gccagcagac     1020
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RAW SEQUENCE LISTING              DATE: 07/07/2000
PATENT APPLICATION:  US/09/245,277    TIME: 08:31:27

     Input Set : A:\JHU1530-3.TXT
     Output Set: N:\CRF3\07072000\I245277.raw

117 actgctagat tgtaatattt aaggtcgagt ttcgacctgt ggtacacagc tgtgctgtgc  1080
118 tcagtcagca acctcagaac tctgaaaaaa acataaaaaa gaaaaaaaaa aaaaaaaaam  1140
119 atgcasctgk ytcacttgtg aatagtgaat gtaaaggaaa gaaaggaaaa ccaaaagctt  1200
120 gttccatcac aggtatgagc tgctatgatt catgaagaac attccatgga gtatgtttta  1260
121 aaaccttgtt atatctgaga ggctttaaaa gccaacttaa ctgtttcagg gcaaccgcgg  1320
122 tacagacgtg gtctctgtga gacttccacc tgacccaagt tttaagtggt acgaatgttg  1380
123 tgcatttaat gttaaggaca gtctgcaata ataagtaagt agccagcgtg ggtgcccagc  1440
124 agtgctgaga cctggctgct ctattgtacg ctttggaaac acaatttatg caacagatgt  1500
125 ccagatatga ttctatttat ggaaaaagtt tatatgtttt acaaatggtt ttaccatctt  1560
126 atattaaatg accttttgac aggtgtgcac tgttttgtct ccagtgagca cataccatgc  1620
127 ggatttata tgtacatcag tagtgtgaat ccactggcac agtgtgtgta aatgccagat  1680
128 gtggtgagat tttatcttgt atatgtgatc agataaaata actcctgaca gaaactgtaa  1740
129 ggraacccag ctgaatggtt tgacctggat grcykrkrtk gtwtggttta tgttaaatgt  1800
130 atattctttt aatcaatgaa taaagcatta aaaaatggga aaaaaaaaac tcgt  1854
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133 <211> LENGTH: 1030
134 <212> TYPE: DNA
135 <213> ORGANISM: Eukaryote
137 <220> FEATURE:
138 <221> NAME/KEY: misc_feature
139 <222> LOCATION: (1)...(1030)
140 <223> OTHER INFORMATION: r = G or A
141         y = C or T
142         m = A or C
143         s = G or C
W--> 144    w = A or T
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148 taagtgtcgt tcagcagcaa ggaagtctgt ccagcacata cctcagcaga gtagaccctg  120
149 acggcaagaa gattaagcaa attcagcagc tgtttgaaga gatactgagc aatagtaggc  180
150 aactaaaatg gctgtcctgt gggtttatgc tggaaatagt aaccccatca tcactgtcgt  240
151 ctctgtctaa ctccattgcc aacaccatgg aacacctgag tttactggac aacaacattc  300
152 ctggtaacag cacgctcatc accgcagtcg aactagagcg ctttgtaaat ctgcgctcac  360
153 ttgccctgga tttctgtgac tttacagctg agatggcgag agtcctgacc gacagcaacc  420
154 atgtgccttt gcagcgactg tctcttctgg tccacaatgc ttcagtgatg ctcaagtcat  480
155 tagacaacat gccaaacgat gagcactgga aggccctgtc acgaaagagc tccagcctcc  540
156 gggtctatct aatggctttt gatgttaaaa gtgaagacat gctaaagatt ctgaaaccca  600
157 gtataccact tgagaagggt tcactttgga cagctacgtc acttgtgtct caaggggcta  660
158 ttggttgatc ttatattcca ggcagtattg accaaggttt cctyaacccm wtttwtattg  720
159 atgaatgata tgattgatac gtctggtttt ccggatctta gtgacaaccg aaatgaagat  780
160 ccattggttt tattggcatg gcggtgcaca aagctcactc ttttggcaat tcatggttac  840
161 accgtgtggg cacacaacct cattgccatt gctcgtcttc gtggctyttg acctaaaagt  900
162 gctttggaag tcaccsraag aaagcattga ttttgaccaa ggtgaactag cccgaccagg  960
163 aatgtggrwy cccgtacata acctttcttg gagcaggtat tccctggggc cttggtcaag  1020
164 tcttggcacg  1030
166 <210> SEQ ID NO: 5
167 <211> LENGTH: 1824
168 <212> TYPE: DNA
169 <213> ORGANISM: Eukaryote
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    172 <221> NAME/KEY: misc_feature
    173 <222> LOCATION: (1)...(1824)
    174 <223> OTHER INFORMATION: r = G or A
    175         y = C or T
    176         k = G or T
    177         s = G or C
W-->178         w = A or T
W-->179         d = A, G, or T; not C
W-->180         n = A,T,C or G
    182 <400> SEQUENCE: 5
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    184 tggttaaaaa wtgagctgat ttaacaaaaa tttaacgcga attttaacaa aatattaacg    120
W-->185 cttacaattt gccattcgcc attcaggctg cgcaaytgtt gggaagggcn atcggtgcgg    180
    186 gcctcttcgc tattacgcca gctggcgaaa gggggatgtg ctgcaaggcg attaagttgg    240
    187 gtaacgccag ggttttccca gtcacgacgt tgtaaaacga cggccagtga attgtaatac    300
    188 gactcactat agggcgaatt gggtaccggg ccccccctcg aggtcgacgg tatcgataag    360
    189 cttgatatcg aattcggcac gagcgaagcc agggccttgc acttcctagg caagcgctct    420
    190 accactgagc taaatcccca acccccttgtt ttatttttaa agcaaacgag atacataatt    480
    191 tcarccatga taatttaaga ttatcttgaa ctcttaagga aatgtatata ctaagctatt    540
    192 atagtttta ttttccctaa ttcagtggca taatacctta ccttgagtcg tttactactt    600
    193 tctttggttt ctaaaaactc tactgctaaa ttacaatgta aaaacatagg gctcgtatat    660
    194 actgtagagt gctgtagatg tcctcgtcat caactatgca ataacagtct gatcgacaca    720
    195 tttcaggakc gatcactctt tggtgtgctt ctttaaatac tttcagaagc ttaggatgtg    780
    196 caaagcagga agactgtggg tgtaaatgtt tacttatttc tttgagagtg ttagtaagtc    840
    197 ttttcdaaat tgcttttctc ttcaaaatta tcgttaactt aaatgataat tatctttgag    900
    198 gttaaacaga agctcattga caaactaaag tgactttta gggcattctt tgagatcata    960
    199 gtcttatatc ttggggacta aaatgtcatt agaccctaat agactaactt gtatgtttgt   1020
    200 gtggggaaac gttttcctct ctcattcaag gtaactgttt gctgcctgtt gttacttgtg   1080
    201 tagcattcta gaaaatggct aggttttta taagatttaa gacaatagaa gtagttttat   1140
    202 attattatag ttctgttgga atgtgatcct gaaattatta ctgaaaatta gaatttttat   1200
    203 ttcgctaatg acaaccttga ctctcagaga tgcagtgtaa attgataccct catctttccg   1260
    204 agagttcaga gcacagggcg gcagtatgtg aagctgcttt tgcactgacg cattttgata   1320
    205 agtttggcta ctgtaatggt aaaaggctcc tcaggcactg actgcatttg ggttcttccg   1380
    206 atgggggatg atccgttctc gtggtgctgc tggacttatg cattttggag gtactgcatg   1440
    207 tatcttccac actgcttgac attttctctg atctgtgtgt ttgcaccaac tcattaaaag   1500
    208 aaatatgcag aaatatcttc taattcgttg atcttcgctg tatgacagtt ataatattaa   1560
    209 acacttgggt tgatccactc tgtttacatt tatctttcta agcgtcagaa agggactaac   1620
    210 ttgaaattat atctagaggc tttgtatcat ttcaaaaatt aaatttcctt ggatacttta   1680
    211 ggcaatatct taaacaactt tttaataaat ttaaatattt atatttacgt aagctaaaat   1740
    212 atacatgaat gtgctttta ataaattaaa tacagtttat acttatttgc caattcacaa   1800
    213 ataaaaaaaa aaaaaaaaa aaa                                            1824
    215 <210> SEQ ID NO: 6
    216 <211> LENGTH: 1230
    217 <212> TYPE: DNA
    218 <213> ORGANISM: Eukaryote
    220 <220> FEATURE:
    221 <221> NAME/KEY: misc_feature
    222 <222> LOCATION: (1)...(1230)
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              RAW SEQUENCE LISTING              DATE: 07/07/2000
              PATENT APPLICATION: US/09/245,277  TIME: 08:31:27

              Input Set : A:\JHU1530-3.TXT
              Output Set: N:\CRF3\07072000\I245277.raw

     223 <223> OTHER INFORMATION: r = A or G
     224       m = A or C
     225       s = G or C
     226       w = A or T
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     230 cccttggagm cccagggggtt ttggcccmcc ccctcaccca aatggtctgc caatgaccca   120
     231 ggtactcaca acatgttcca ggaggagmct ggggccagga ttttgaccag agggtatggg    180
     232 aagggaaagg ggagaagaaa tcgacattta tttttattat ttattttaaa tgtttacawt    240
     233 ttctttgtgt tgttccaagc cctgaataga aacagatagc attaaaggac tctgttccca    300
     234 ccccttctct gtctctctct cccccacttg tgctaacttal ggataacact ctctatttcg    360
     235 ttttgtttct aaagtgattt gtggacttgt gccgtgtgaa ctgcattaaa aaggttctgt    420
     236 tttcaaagat cgattgtcgt tcctgtgggg acagtggctc ctaagaaatc tgcattgtag    480
     237 gagaagacaa tgaaagaccc tggccctgtc tctcaaaact taactctctg tatgatttaa    540
     238 aaaaaaattc catttacttt actttgtggt tacttgattt tgaggaagaa aatattcaac    600
     239 tttgtataaa gactaggtat cagggtttct tttgcagtgg gagttgtata tatatcgtat    660
     240 tttggtatat cgtagaaact caagctttat gcatccgtat ttgggatatg tcaatgacgt    720
     241 gcagtgaaat ttgctattag accctggagg caaacgagtt gtacaaggtt ttatggctcc    780
     242 atggggaatt ctaatttcct ttctgggggac cttttgtccc gttttacag taatggtgaa    840
     243 atggtcctag gagggtctct ctagtcgaat tctccaggca ggaccacgtg ctcaaaaaat    900
     244 ctttgtatag ttttaaattt ttgaggagta tctctgctca gaagcatctg tggtggtgtg    960
     245 tgttgcgttg ttctgtgtac tgtgtgtgac acaagcctac agtatttgca ctaaggaaag   1020
     246 ctgtttagag cttgctgcta tggagggaag aacatattaa aacttatttt ccctcgggggw   1080
     247 ttrtwcwmgt tttatgtwct tgttgtcttg ttggctttcc tactttccac tgagtagcat   1140
     248 tttgtagaat aaaatgaatt aagatcagmw rwrwrmaaaa aaaaaaaaaa aaaaaaaaaa   1200
     249 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa                                   1230
     251 <210> SEQ ID NO: 7
     252 <211> LENGTH: 1516
     253 <212> TYPE: DNA
     254 <213> ORGANISM: Eukaryote
     256 <220> FEATURE:
     257 <221> NAME/KEY: misc_feature
     258 <222> LOCATION: (1)...(1516)
     259 <223> OTHER INFORMATION: n = A,T,C or G
     261 <400> SEQUENCE: 7
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W--> 263 tgnttgcttt ctttcccat anttccaggc ccacaaangg tttctgtgan tccgagaatc   120
W--> 264 ggcccaccat gcagacccac ngagaggatt cagaatgtgt gtgagagtga gtgtgtgagt   180
     265 gcgcgtgcgt gtgctttgta tgtgtgttta tagatgtagg acattaagtt ccttctgaca    240
     266 caggggaagat gtgagaagga tggcctgaca tcagatgaca agaggtctta tagcacatct    300
     267 ctgggctttt ccctacccag agaagagccc cctttgatac aaatcagttg gattttcata    360
     268 tgcttcaaag gcttgatctg tgagtcactc cagtttggga cataggtctg tctgtggctt    420
     269 tgagaaaagg tactttcaaa agagggcttt ccagagcaca gctcacagcc agctgttagg    480
     270 accccaccct tctcctttat tgtggaggtg actcacagca gactgacagt ggtcagactg    540
     271 agctttctgc taaggtggtg aggtagccaa cactggcatg tctcggtagt ggtttgggca    600
     272 aatttccgca ggtctcttcc cccaaccctg cctctgatga ataaagacaa tgagtacagt    660
     273 tccttaattc aggcttttgt gactagctta ctacggaacc gaaaatggtc cccttttgtac   720
     274 aagccgagct gttatggaat cacggtgaac cagacccagg tctgtggcac ctgtttgttt    780
     275 ttttttttt tttttttttt ttagctctca tttctacggc atgctttcca aggaaccaaa    840
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

PATENT APPLICATION: US/09/245,277   TIME: 08:31:28

                Input Set : A:\JHU1530-3.TXT
                Output Set: N:\CRF3\07072000\I245277.raw

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L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:63 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:95 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:96 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:144 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:178 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:179 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:180 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:726 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:727 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:728 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:729 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:730 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:731 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:732 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:1100 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:1101 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
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VERIFICATION SUMMARY              DATE: 07/07/2000
PATENT APPLICATION:  US/09/245,277     TIME: 08:31:28

           Input Set : A:\JHU1530-3.TXT
           Output Set: N:\CRF3\07072000\I245277.raw

L:1161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:1183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1874 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:1875 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:1876 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:1883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1932 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1935 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:2729 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:2730 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:2731 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:2732 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:2733 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:2734 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:2735 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:2793 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:3029 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:3030 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:3031 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:3208 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 59
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